

Mathematica Slovaca 2016 vol.66 N2, pages 359-366

States on symmetric logics: Extensions

Bikchentaev A., Navara M.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2016 Mathematical Institute Slovak Academy of Sciences. We continue the study of symmetric logics, i.e., collections of subsets generalizing Boolean algebras and closed under the symmetric difference. We contribute to several open questions. One of them is whether there is a non-Boolean symmetric logic such that all states on it are Δ -subadditive.

<http://dx.doi.org/10.1515/ms-2015-0141>

Keywords

Boolean algebra, orthomodular poset, quantum logic, set representation, state, symmetric difference